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COAL INDUSTRY NEWS

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System Takes New Approach to Reclamation

NEW RECLAMATION TECHNIQUE called melioration involves deep soil loosening and recultivation with the Kaelbie-Gmeinder subsoil system. In a demonstration by Meadowlark Farms at Amax Coal Co.'s Sun Spot mine near Vermont, Ill., a K.G. TLG-12 and a Howard Rotovator are mounted on a John Deere 750 hydrostatic drive bulldozer — with remarkable results. For more about this and other approaches to mined land reclamation, turn to this issue's Focus on page 4.

Rulings May Add $6 Billion Yearly to Transport Costs

By Steve Marcy

WASHINGTON — Coal shippers have launched a two-front counter attack against basic revisions in the rules for setting railroad coal rates.

One coal industry projection estimates the revisions could transfer $6 billion yearly from the coal and electric utility industries to the pockets of the rail industry.

The Eastern Coal Transportation Conference (ECTC) and the National Coal Association (NCA) have asked for U.S. Court of Appeals review of two Interstate Commerce Commission decisions — one allowing the railroads at least 15 percent profit on their coal haulage without challenge and the other repealing all constraints on coal moving to export.

NCA asked for an appeals court review in the export case even before it has become a final decision, in an effort to steer it into a friendly venue — probably the D.C. Circuit. Promptness in filing can be crucial toward keeping the reviews out of Third Circuit in Philadelphia, which the coal industry fears favors railroads.

A spokesman for the eastern shippers say they will join the petition once the ICC releases its rationale for the decision, scheduled for early May. It is slated to take effect 90 days later.

The second front is a call by both groups for Congress to reopen the 1980 Staggers Rail Act and clarify its edict that coal shippers who are captive to one railroad are to be protected from monpolistic rail-pricing practices.

ECTC Chairman W.R. Miller said the decisions left "no alternaives but to seek congressional assistance in reining in the ICC and placng some effective constraints on the railroads' monpoloy." NCA President Carl Bagge also called for congressional clarification of the railroads' obligation under Staggers.

But some shippers and users of coal say privately that Congress already has two other bitter energy-related fights looming before it — natural gas decontrol and the Clean Air Act. It might not have the time or fortitude for a replay of the 1980 battle over Staggers.

A source within the Edison Electric Institute says it "is planning a whole series of meetings on what to do about the situation" and predicted that the association of investor-owned utilities would ultimately join the coal-shippers' legal fight.

A utility industry source says about 9,000

(Continued on page 2)

NEWS ROUNDUP

Occidental Petroleum Corp. signed an interim agreement last week with China to **develop a coal mine that could become China's largest joint venture with U.S. interests.** Oxy officials said the signing of the agreement to develop Pinshuo Mine in Shanxi Province, China's biggest coal-producing region, followed completion of a feasibility study begun last year. They said the open-pit mine will involve $230 million of U.S. investment and produce 15 million metric tons annually by 1986. Construction is scheduled to start July 1 and production expected to start in July 1985.

* * *

World coal demand will rise, but the United States will maintain its market share, forecasts the Department of Energy's Energy Information Administraton in a new report, *Prospects for Future World Coal Trade*. World steam coal trade is expected to increase more than fivefold by the year 2000 at an average annual rate of 9 percent, the study predicts. It adds that the United States will probably maintain its 1980 world market share, approximately 25 to 30 percent of world steam coal exports.

* * *

An errand of mercy the day before could have led to the sinking of a coal transport vessel in a Feb. 12 storm off the coast of Virginia, owners of the

(Continued on page 2)

MacGregor Ready for British Coal Board Challenge

By Steve Sasanow

LONDON — Ian MacGregor broke onto the British industrial scene three years ago like a U.S. marshal riding into a Wild West town with a mandate to clean out the bandits and make the place safe for decent citizens.

Prime Minister Margaret Thatcher named him to head the British Steel Corp. (BSC) and straighten out the mess the ailing nationalized industry had gotten itself into — gross overcapacity, severe overmanning and losses of more than $20 million per week.

So impressed have Prime Minister Thatcher and her Conservative Party government been with MacGregor and his cleanup act that they have unofficially offered him a new job when his current contract runs out in June.

The Conservatives want him to become chairman of the National Coal Board (NCB), the one part of the U.K.'s nationalized sector that has so far avoided the government's axes. MacGregor is sure to know that, if he takes on this new task, his shiny tin badge has a much greater chance of becoming tarnished.

Unions Critical

While achieving greater efficiency in British Steel Corp.'s managerial staff and reducing losses to a still astounding $550 million a year, MacGregor has also cut the workforce in half to 85,000, hardly endearing himself to the British trade union movement.

His main potential adversary in the coal industry — Arthur Scargill, the left-wing president of the National Union of Mineworkers (NUM) — has described his tenure with BSC as "an unmitigated disaster." Labor Mine President Dennis Skinner, another leftwinger, labeled MacGregor "the butcher."

MacGregor tamed the Iron and Steel Trade Confederation, the main union representing the steelworkers here, by going over the heads of union officials and offer-

(Continued on page 2)

IAN MACGREGOR
...controversial figure

INSIDE

SLURRY'S PROSPECTS in this session of Congress may actually have been enhanced by the Interstate Commerce Commission's recent rail rate decision. **Special Report on page 5.**

PARTICULATE REGULATIONS that potentially could benefit coal have been stalled by the agitation within the Environmental Protection Agency, reports Steve Marcy **on back page.**

Montana Mine Offered to Middle East Buyers

PORTLAND, Ore. — Portland General Electric Co. has taken the unusual step of offering a Montana coal mine for sale to possible Middle East and African buyers for $10 million.

Advertising in a pair of Middle East-circulated magazines, the utility offered "a fully-equipped and ready for production coal mine" covering 8,265 acres in southeastern Montana, with adjacent federal land available for lease. The mine has 93 million tons proven reserves.

Known as the Beaver Creek mine, it is located in Carbon County west of the Powder River Basin. It is some 20 miles from Burlington Northern rail service.

PGE acquired a 50 percent interest in the Beaver Creek mine for an undisclosed sum in 1978. The utility became sole owner in 1980. No reason for the decision to sell was offered beyond a PGE statement that "it is in the best interest of the company to dispose of the mine at this time." The $10 million asking price is negotiable, a spokesman told *Coal Industry News*. — **T.W. Kienlen**

Coal Stocks are Conspicuously Absent as Dow Jones Average Climbs

NEW YORK — The plight of the coal industry was never more aptly portrayed than in recent stock market activity. As the Dow-Jones Industrial Average continues its upward trend and new highs are achieved by ever-increasing numbers of issues, coal-related stocks are conspicuous by their absence.

Take the closing on Friday, March 4, for example. The Dow reached its fourth consecutive high, winding up at 1140.96, a gain of 20.02 for the week on a turnover of more than 90-million shares for Friday's trading. A total of 245 stocks posted new highs that day but only five of the *Coal Industry News* list of 79 coal-related stocks were included — Goodrich, Inland Steel, Mobil, Republic Steel and Pacific Power and Light 3.75 preferred.

By like token, the performance of the 30 issues in the Suppliers list only serves to emphasize the lack of any pick-up in sight for the coal industry. Thirteen of the stocks showed declines, while three were unchanged. The heaviest loser was Ingersoll-Rand, off 1 1/8. Bucyrus Erie, International Harvester and Research Cottrell remained unchanged, but fractional losses were posted by ACF, Allis Chalmers, Caterpillar, Dravo, Dresser Industries, Fluor, Goodyear, Kennametal, McDonnell-Douglas, National Mine Service, Pennwalt and Tenneco.

Much the same held true for the 35 coal companies in the list, although the majority were on the upward push. Five turned downward and five were unchanged. But, of the predominately coal stocks, Eastern Gas and Fuel was off fractionally, while North American Coal and Pittston held their ground, unchanged. Mapco edged ahead 3/8 and Westmoreland added a full point.

Steel companies on this list were up and stong, with Bethlehem gaining 2 5/8 and U.S. Steel posting a one-point gain. This was entirely attributable to the apparent turnaround in the steel industry where production is now nearing the 50 percent-capacity level after the disastrous losses of 1982.

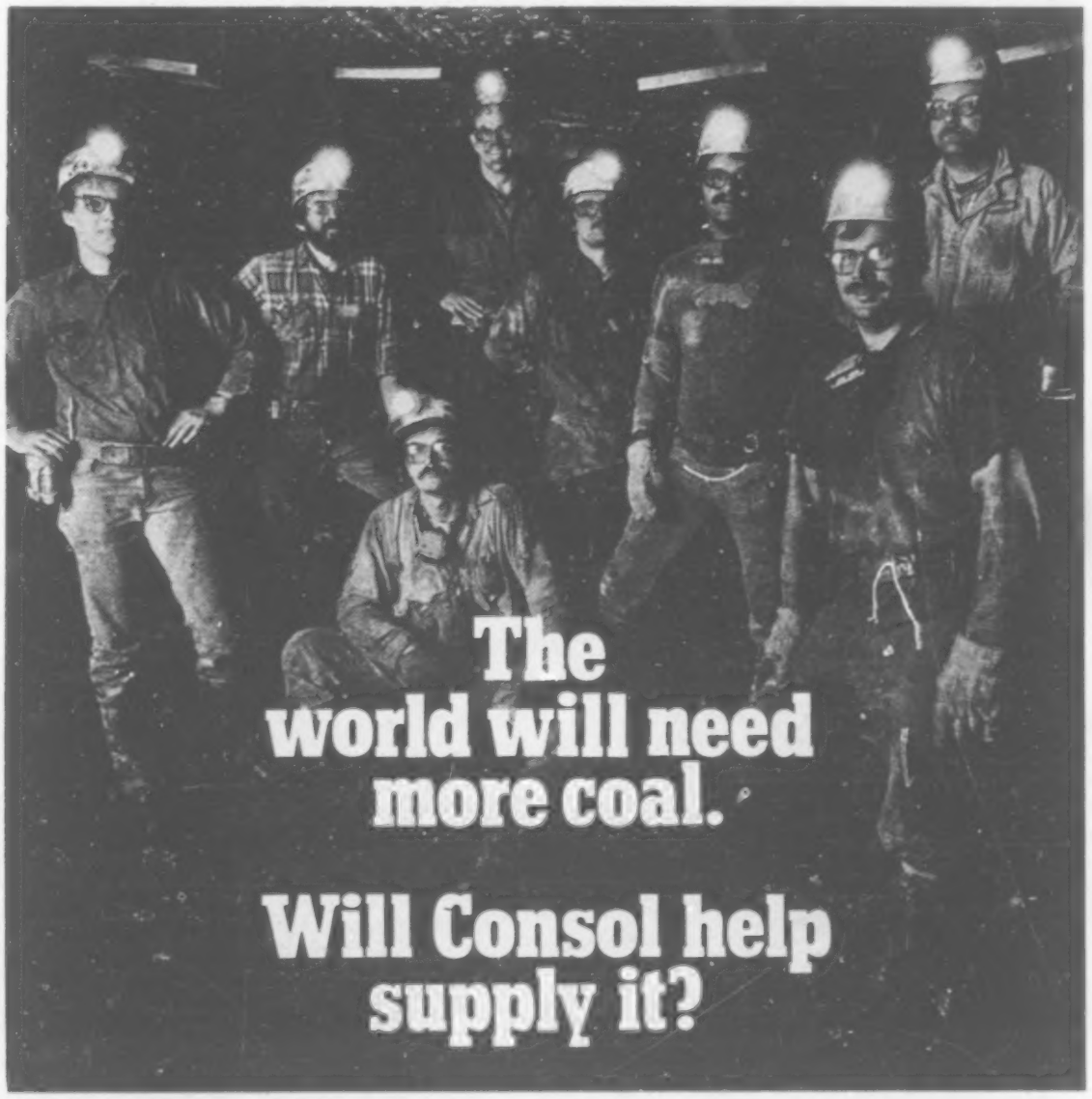
This same strength was reflected in the seven Users in the *Coal Industry News* stock list. Kaiser Steel soared 3 3/4 and was joined by Republic Steel, up 3 5/8. Inland Steel added a whopping 4 1/8 in the week's trading and National Steel rose 2 3/4. Alcoa tacked on 1/8 after its vice chairman told a security analysts' meeting that the aluminum industry is definitely moving out of its deep recession.

The seven Transportation stocks were mixed, with Norfolk Southern up 1 7/8 and Burlington Northern up 1 1/2. At the opposite end, Chicago Northwestern fell 1 1/4 and IC Industries dropped 2 1/8.

March 4, 1983

company	sales 100s	wks. high	wks. low	last	net chg
Coal Companies					
Amax	7447	23⅞	22⅛	23⅞	+⅝
AEPwr	13188	19⅛	18¼	19	+⅝
AshlOil	3179	32	29	31⅞	+3
BethStl	13665	23⅛	20⅜	23⅛	+2⅜
Boeingd	16121	37⅜	35½	36⅛	-⅝
DuPont	13881	42⅛	39½	41¼	+1⅜
EastGF	x2595	29¾	28	28	-⅛
ElPaso	11501	17½	16½	17⅜	…
EqtLif	…	…	…	…	…
Exxonq	59206	31⅜	29⅛	30⅞	+1⅛
GenElh	x22195	w111¼	106	108⅝	+⅞
Grace\	2197	43¼	41⅜	42⅝	+1¼
GulfOru	13068	33¼	31⅝	33	+⅞
Hanna|	1531	22½	19¾	21⅝	+1¾
KerrMc	x6804	31	29	30⅞	+⅞
Mapco	4531	22⅝	21½	22⅝	+⅜
Mobil	37728	w30	28	28½	+2⅝
MonPwr	3853	27⅛	26	27	+⅞
Newmt|	8057	53¼	50¼	53	-1
NACoal	121	29⅞	28½	28	…
OccPet.n	x16338	19⅝	18⅜	19	+⅝
PacPwr	10872	21⅞	21	21⅝	-⅛
PhilPet	28429	33¾	30⅝	33¾	+1⅞
Pittstn	4648	13½	12¾	13⅜	…
ShellO	x4801	38½	36¼	38½	-¼
StOilCo	27713	w37⅝	35½	37½	+⅞
StdOOhp	15361	42	39	41½	+⅝
SunCo	2865	33⅞	30⅞	32⅝	+1¼
Texaco	19777	33⅝	31½	32¼	+½
TexUtil	x19416	23¾	22½	23¾	+1⅛
USSteel	14736	23⅝	22	23⅝	+1
UtaPL	2786	22¾	22⅜	22½	…
WalJm	2443	36¾	34½	36⅝	+1¼
West	691	w23⅜	21¾	23¼	+1
Williams	x8366	21¾	20⅛	21½	+1⅜
Suppliers					
ACF	x3470	32¼	31⅜	31½	-¼
AllisCh	1093	12⅜	12	12	-⅜
BucyEr	1825	15⅜	15	15⅜	…
CatrpT	12955	45¼	43½	44⅜	-⅜
Chryslr	25264	17⅛	14½	15⅞	+⅜
CmbEn	5525	37⅞	35¾	37⅝	+1⅛
DowCh	22599	w32¼	30⅞	31¾	+½
Dravo	355	13¾	13⅛	13⅜	-⅛
Dresrr	11108	18	17¼	17½	-¼
FMC	4052	w38⅛	35½	37¾	+2
Freet	7444	19½	18⅛	19⅜	+1
Fluors	7645	21¾	19¾	21⅛	-⅛
FordM	21941	42¼	38	41¼	+1⅞
GTE\t	16256	41⅝	39⅞	41¼	+1⅛
GMot	24543	64	61⅜	61⅞	+⅜
GTire	1380	34½	33½	34¼	+1
Gdrich	x3789	w36½	34¼	36½	+1¾
Goodyr	33453	32⅛	30⅞	31¼	-⅛
IngerR	1744	48¼	46½	46⅝	-1⅛
IntHarv	6131	6¾	6½	6½	…
JoyMfg	2259	25⅞	23¾	25⅞	+1⅝
Kennt	526	30¼	28	28¼	-½
McDnD	6425	49⅜	48⅜	49	-½
NMineS	298	8⅜	7¾	7⅞	-¾
Penwlt	1053	38¼	36¼	36⅜	-⅜
RshCot	879	17½	16¼	16¾	…
Tenneco	8198	34⅜	33	34¼	-¼
UnCarb	9003	w62⅛	60¼	61⅜	+1
WestgE	13730	w50⅜	47⅜	50¼	+2¼
Transportation					
BrlNth	3861	69¾	66⅛	69½	+1½
CSX	4215	57¾	55¾	57¼	+¼
CNWst	1720	w30⅛	28⅜	28⅝	-1¼
ICInd	1858	40⅛	38	38⅝	-2⅛
NorSo	11043	55⅞	53⅛	55⅞	+1⅞
SFeInd	14579	w26½	23	25	+1
UnPac	x11533	49¾	46⅛	49¾	+1¼
Users					
Alcoa	8346	w35½	33⅛	34⅝	+⅛
IntlSil	15406	w32⅝	29⅛	32⅝	+4½
KaisCo	1765	25⅛	24½	25	+¼
KaiserSt	3646	41¼	36⅜	41¼	+3¾
NatlSti	3736	22½	19	22¼	+2¾
RepSti	7272	w24	20¼	24	+3⅜
WhelPit	558	19	17¾	18⅞	+⅝

a/owns Central Ohio Coal, b/owns 50 percent of Arch Mineral, c/owns Bethlehem Mines, d/owns 15 percent of Peabody Holding Co., e/Owns Conoco and Consolidation Coal, f/Owns 5 percent of Peabody Holding Co., g/owns Exxon Coal, h/owns Utah International, i/owns 50 percent of ColoWyo Coal, j/owns 50 percent of ColoWyo Coal, k/owns Western Energy, l/owns 27.5 percent of Peabody Holding, m/owns Island Creek Coal Co., n/owns Kerco, o/owns 20 percent of Amax, p/owns Old Ben Coal Co., q/owns 27.5 percent of Peabody Holding Co., r/owns Jeffrey Mining, s/owns 10 percent of Peabody Holding Co., t/owns American Mine Tool, u/owns Pittsburg and Midway Coal Mining Co., w/new 52-week high, x/ex-dividend and sales in full.



Yes. Consol is spending millions of dollars right now building three new coal mines. The world's appetite for coal is huge and growing. During this decade, demand for American coal throughout the world could almost double. When the demand is there, Consol will be ready to meet it. We've got 47 producing mines and billions of tons of reserves.

Coal. It's the world's most practical route to energy security.

Consolidation Coal Company, Consol Plaza, Pittsburgh, Pennsylvania 15241

CONSOL

Sun Completes Purchase

RADNOR, Pa. — Sun Co. completed the purchase of Whitaker Coal Corp., a privately held firm based in Hazard, Ky., for an undisclosed sum.

Whitaker's properties and operations in eastern Kentucky contain 70 million tons of proven and probable high-quality, low-sulfur steam coal, Sun said.

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FACTS & FIGURES

Domestic

	WEEKLY 2/26/83	2/19/83	2/27/82
Production			
Bituminous, recent week	15,201	14,962	18,528
Bituminous, year to date	**116,759**	**132,924**	—
Anthracite, recent week	78	77	104
Anthracite, year to date	**612**	**834**	—
Railroad carloadings			
Bituminous, recent week	101,719	95,741	125,037
Bituminous, year to date	**781,066**	**896,173**	—
Anthracite, recent week	71	54	137
Anthracite, year to date	**541**	**1,150**	—

Production data in thousands of short tons.
Source: U.S. Dept of Energy, Energy Information Administration—Weekly Coal Report.

	WEEKLY 2/26/83	2/19/83	2/27/82
Production by states, bituminous and lignite			
Eastern			
Alabama	479	472	603
Georgia	—	—	—
Illinois	1,198	1,180	1,375
Indiana	556	547	677
Kentucky:			
Eastern	1,996	1,964	2,433
Western	705	694	931
Total, Ky.	**2,701**	**2,658**	**3,364**
Maryland	69	68	91
Ohio	699	688	868
Pennsylvania	1,363	1,341	1,862
Tennessee	141	138	212
Virginia	671	661	931
West Virginia	2,434	2,396	2,708
Total, Eastern	**10,311**	**10,149**	**12,691**
Western			
Alaska	14	14	17
Arizona	213	209	233
Arkansas	4	4	4
Colorado	340	334	423
Iowa	10	10	13
Kansas	15	15	17
Missouri	93	91	116
Montana	502	494	719
New Mexico	334	329	423
North Dakota	337	332	386
Oklahoma	97	96	118
Texas	628	618	698
Utah	311	306	317
Washington	76	75	110
Wyoming	1,916	1,886	2,243
Total Western	**4,890**	**4,813**	**5,837**
Total, United States	**15,201**	**14,962**	**18,528**

In short tons (000).
Source: U.S. Dept of Energy, Energy Information administration—Weekly Coal Reports.

	MONTHLY 1/83	12/82	1/82
Coal Labor			
All employees			
Coal Mining	205.2	206.4	250.0
Bituminous & Lignite	202.1	203.1	246.5
Production employees			
Coal mining	164.0	165.3	207.1
Bituminous & Lignite	161.3	162.5	204.0
Hours, weekly average			
Coal mining	39.8	39.8	40.9
Bituminous & Lignite	39.8	39.9	40.9
Earnings, hourly average			
Coal mining	13.24	13.20	12.40
Bituminous & Lignite	13.29	13.25	12.44
Earnings, weekly average			
Coal mining	526.95	525.36	507.16
Bituminous & Lignite	528.94	528.68	508.80

Source: U.S. Dept. of Labor, Bureau of Labor Statistics—Employment and Earnings.

	MONTHLY 11/82	10/82	11/81
Bituminous and Lignite			
Consumption			
Electric power utilities	47,699	46,248	46,873
Coal user stocks of coal			
Electric power utilities	171,335	170,181	156,360
Anthracite			
Consumption			
Electric power utilities	100	81	141
Coal user stocks of coal			
Electric power utilities	6,060	5,992	5,548

Note: Data give in thousands of short tons.
Source: U.S. Dept. of Energy Information Administration—Weekly Coal Report.

	11/82	10/82	11/81
Coal User Production			
Major district users:			
Electric utilities			
(Mil Kwh.)			
Monthly	95,547	93,779	94,941

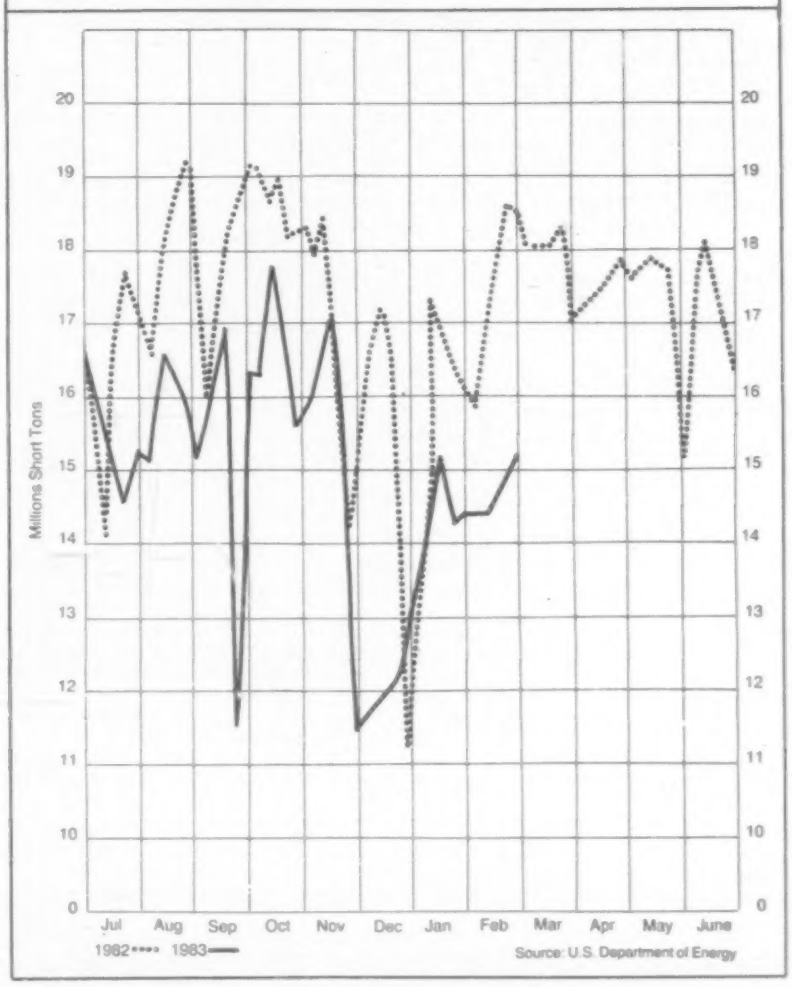
	MONTHLY 1/83	12/82	9/82
Price Indexes			
Bituminous Coal and Lignite	103.6	105.0	104.7
Primary Products	101.8	103.5	103.8
Prepared	103.4	104.7	103.9
Steam electric utilities	104.4	105.9	104.9
North Appalachia	107.1	106.1	103.2
Spot	N.A.	N.A.	116.4
Contract	100.8	106.3	101.4
South Appalachia			
Contract	N.A.	N.A.	99.0
Midwest	108.8	107.8	108.0
Contract	110.0	108.9	109.1
West	109.1	110.0	108.6
Contract	109.1	110.0	108.6
Metallurgical/coke producer	101.1	101.7	101.4
High volatile	99.9	100.2	100.1
North Appalachia	97.2	97.2	97.2
Contract	97.2	N.A.	97.2
South Appalachia			
Contract	101.4	102.0	101.7
West	99.0	99.0	100.7
Low volatile	101.2	102.8	101.9
North Appalachia			
Contract	N.A.	99.5	99.8
South Appalachia			
Contract	N.A.	105.5	103.5
All other industrial	99.6	100.5	99.1
North Appalachia			
Contract	92.4	91.2	90.0
Midwest	99.3	102.0	100.2
Contract	N.A.	N.A.	99.4
Unprepared (raw)	96.3	99.2	103.5
For preparation at other establishments	N.A.	N.A.	N.A.
For use without preparation	N.A.	N.A.	N.A.
Anthracite	153.3	154.0	153.8
Primary products	152.0	152.6	152.5
Prepared anthracite shipped	153.9	154.7	154.5
Stove	151.2	151.7	151.1
Chestnut	148.7	151.5	150.9
Pea	160.3	160.3	160.3
Buckwheat no. 1	149.0	149.0	149.0
Buckwheat no. 2	160.8	160.8	160.8
Buckwheat no. 4	143.9	143.9	143.9
Buckwheat no. 5	110.2	112.0	112.0

N.A.—Not Available

Source: Bureau of Labor Statistics, Dept. of Labor.
Note: The Bureau of Labor Statistics has recalibrated its producer price index figures for bituminous and lignite, as well as reorganizing its pricing categories. The new index is based on a compilation of average prices for December, 1981, and that month appears as 100. The former index used June, 1976 prices as its base.

Latest U.S. Production Figures

Estimated Bituminous Coal and Lignite Production



BITUMINOUS and lignite production tipped 1.6 percent upward for the week ended Feb. 26 from the previous week, but at 15.201 million short tons fell below the 18.528 million short tons produced in the corresponding week last year. Year-to-date production reached 116.759 million short tons, 12.2 percent below the 132.924 million short tons produced by the end of February in 1982.

Exports & Imports

	Quantity in short tons 1/83	12/82	1/82	Dollar Value 1/83	12/82	1/82	Avg. Value per short ton 1/83	12/82	1/82
Bituminous coal, low volatile blends to make coke No. 5213110									
Belgium	167,431	103,620	285,746	5,986,098	4,559,592	48.91	57.78	50.95	
Brazil	168,265	329,061	327,239	7,623,384	14,443,340	16,807,270	45.30	43.89	51.36
Canada	250	104,333	1,250	7,370	7,162,862	48,600	29.48	68.65	39.36
France	366,926	225,273	264,052	17,867,580	12,702,940	9,967,483	48.69	56.38	37.74
Germany, F.R. (West)	84,011	125,745	114,548	3,973,382	6,873,353	6,017,629	47.29	54.66	52.53
Italy	473,658	715,899	858,002	22,548,829	32,752,442	42,880,186	47.60	45.75	49.97
Japan	1,407,399	777,756	2,180,461	87,096,766	45,882,441	121,747,643	61.88	58.99	55.83
Netherlands	289,929	83,630	96,522	16,032,457	4,863,945	5,673,296	55.29	58.02	58.75
Spain	219,002	231,570	217,121	10,743,639	10,166,975	10,058,073	49.05	43.90	46.32
Sweden	68,811	85,084	63,606	4,129,561	3,714,828	3,374,153	60.01	43.66	53.04
United Kingdom	—	104,250	165,388	—	5,964,063	10,132,713	—	56.25	61.26
Yugoslavia	—	134,239	38,718	—	8,104,512	2,300,673	—	60.37	59.42
Total, above	3,245,672	3,020,660	4,612,693	178,219,813	158,517,919	243,568,301	54.90	52.47	52.80
Total, other nations	258,271	643,394	684,901	14,486,799	36,967,028	36,967,028	56.09	56.79	53.97
Total, all nations	**3,503,943**	**3,664,054**	**5,297,594**	**192,701,912**	**195,057,203**	**280,535,329**	**54.98**	**53.23**	**52.96**

	Quantity in short tons 1/83	12/82	1/82	Dollar Value 1/83	12/82	1/82	Avg. Value per short ton 1/83	12/82	1/82
Bituminous coal, others No. 5213120									
Belgium	—	8,693	—	—	391,358		—	45.01	—
Canada	1,397	595,532	1,082	29,734,911	53,630	48.04	49.92	49.56	
China, Taiwan	—	183,148	124,972	—	8,357,286	5,261,352	—	45.63	42.10
Denmark	186,527	49,851	124,955	7,489,837	1,481,112	6,561,985	44.97	29.71	52.51
Finland	68,849	135,739	—	2,855,258	5,743,047	—	41.47	42.30	—
France	55,974	507,581	64,292	2,099,051	21,125,688	2,314,512	37.50	41.62	36.00
Germany, F.R. (West)	59,792	99,981	—	3,480,749	5,692,635	—	58.21	56.93	—
Italy	68,863	304,125	199,003	3,794,918	15,199,774	9,811,342	55.10	49.97	49.30
Japan	142,802	191,028	301,750	6,793,966	9,323,637	14,523,143	47.57	48.80	48.12
Netherlands	122,758	126,126	224,763	5,589,853	7,230,356	13,307,936	45.53	57.3	59.20
Spain	245,836	310,486	131,999	10,092,568	12,686,989	7,252,277	41.05	40.86	54.94
Total, above	932,799	2,512,290	1,172,816	42,263,325	116,966,793	59,086,179	45.30	46.55	50.37
Total, other nations	301,418	292,190	138,328	14,515,436	13,568,536	5,865,016	48.15	46.43	42.39
Total, all nations	**1,234,217**	**2,804,480**	**1,311,144**	**56,778,761**	**130,535,329**	**64,951,195**	**46.00**	**46.54**	**49.53**
Lignite No. 5213130									
Total, all nations	**1,283**	**317**	**1,057**	**97,027**	**61,516**	**262,544**	**75.64**	**194.05**	**248.38**
Coal coke for use as fuel No. 5213140									
Total, all nations	**55,867**	**38,510**	**42,595**	**4,305,112**	**2,547,439**	**3,666,632**	**77.32**	**66.36**	**86.52**
Petroleum coke, except calcined No. 5213150									
Canada	33,032	79,490	13,741	1,070,080	1,952,487	683,383	32.39	24.56	49.73
Japan	379,989	242,157	117,104	15,746,012	8,221,003	6,611,770	41.44	33.94	56.46
Netherlands	174,308	187,562	28,744	7,109,585	6,505,018	1,524,235	40.78	32.92	53.02
Total, above	587,309	519,199	159,589	23,925,677	16,678,508	8,819,388	40.73	32.12	55.26
Total, other nations	614,716	565,578	339,627	17,161,618	15,277,353	19,487,696	27.91	27.01	57.37
Total, all nations	**1,202,025**	**1,084,777**	**499,216**	**41,087,295**	**31,955,861**	**28,307,084**	**34.18**	**29.45**	**56.70**
Compositions for fuel No. 5213160									
Total, all nations	**84**	**243**	**388**	**12,945**	**73,626**	**26,399**	**197.57**	**302.98**	**91.65**
Anthracite No. 5213170									
Korea Rep. (South)	—	35,849	141,668	—	1,228,920	5,469,631	—	34.47	38.74
Total, all nations	**4,702**	**48,186**	**146,962**	**697,940**	**1,673,096**	**5,975,353**	**148.30**	**38.74**	**40.65**